

ABSTRACT OF THE DISCLOSURE

REVERSE CONDUCTION PROTECTION METHOD AND APPARATUS FOR A DUAL POWER SUPPLY DRIVER

The invention is a dual stage power supply with a protection circuit for preventing reverse conduction through the lower voltage driver of the dual stage power supply and excess power dissipation when the higher voltage driver is on. In one embodiment of the invention, the protection scheme comprises a comparator that detects when the voltage on the output pad exceeds a predetermined voltage and a protection transistor which is controlled by the comparator to block reverse conduction through the lower voltage driver when the higher voltage driver is operating.